

University of Toronto

TORONTO 5, CANADA

DEPARTMENT OF BOTANY

October 19, 1951

Dr. Joshua Lederberg,
The Department of Genetics,
The University of Wisconsin,
College of Agriculture,
MADISON, 6, Wis.

Dear Lederberg:

I am afraid I am badly in arrears. Many thanks for your letter with the microfilm and information on more recent experiments.

On receipt I scribbled down a largish number of comments and planned to digest and transmit at least some of these. Meanwhile, however, a rather hectic term has started and rather than delay indefinitely, I should discharge myself of the minimum obligations.

Enclosed is a draft M.S. with the material on bacterial crosses. The paper was submitted to Genetics about three weeks ago and is virtually unchanged from the draft. Tables and figures you have already. The discussion is still long and extended to cover your interchange idea. It is liberally dotted with references to "Lederberg, personal communication" (C.S.H. material) and I would like to ask your formal permission to use these. Any comments on the M.S. will be appreciated.

At the moment I find myself exploring Ascomycete cytology, trying (probably like everybody else) DeLamater staining and mounting methods. The bacteria are completely shelved for the present although I am tempted to explore the backcross possibilities and the validity of the interchange map by the approach suggested on p. 19 of the draft M.S.

Best regards to Esther,

Sincerely,

Klaus Rothfels

KHR/MGM

K. H. Rothfels.

P.S. In case ~~if~~ a slip in your M.S. was overlooked: The improbable explanation of Mal twins should read - negative chromosome and positive chromatid interference rather than the reverse.

KR